

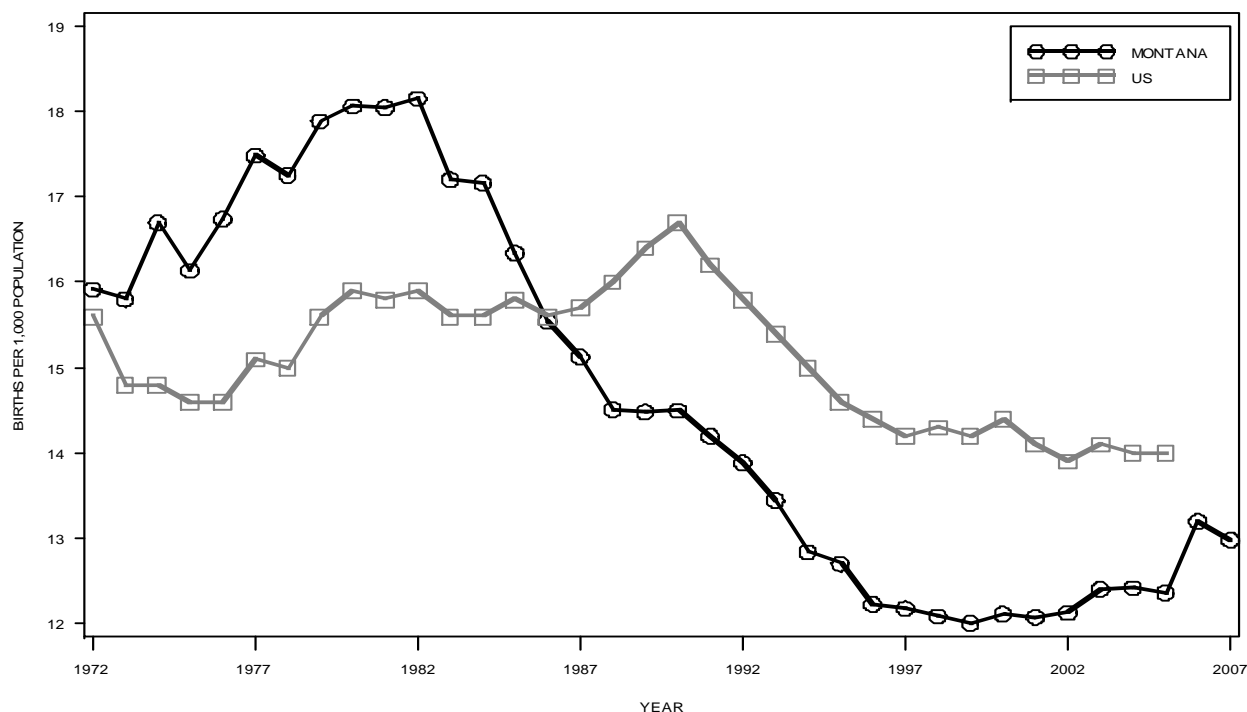
NATALITY

There were 12,437 babies born to Montana residents in 2007. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

The Montana birth rate was in long-term decline from the early 1980s to 1999. However, the rate of births to Montana residents has apparently leveled off and even begun to increase a bit in recent years. It climbed to 13.2 per 1,000 residents in 2006 and the fell just a bit in 2007 to 13.0. **Figure 1** below compares the resident birth rates for Montana and the U.S. for the last several years.

Figure 1

RESIDENT BIRTH RATES



MONTANA AND THE UNITED STATES, 1972-2007

While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-1980s, and has been the lower of the two since then. Preliminary data for 2006, the last year for which national statistics are available, only nine states and the District of Columbia had lower birth rates than Montana's. None of those states was west of the Mississippi River.

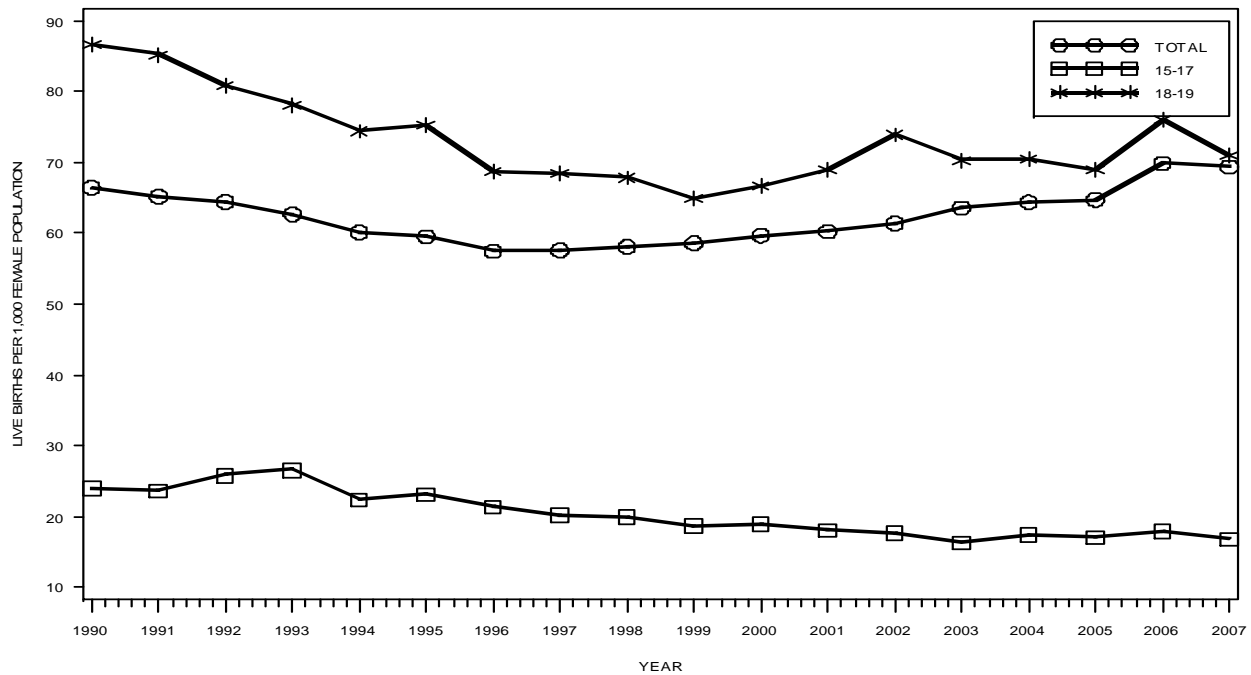
FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is sometimes considered more useful than the birth rate for many analytic purposes because it is specific with regard to sex and age of the "at-risk" population. Montana's fertility rate from 1990 to 2007 is shown in **Figure 2** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph

shows fertility rates for Montana mothers of all races.

Figure 2

FERTILITY RATES FOR MOTHERS OF ALL RACES

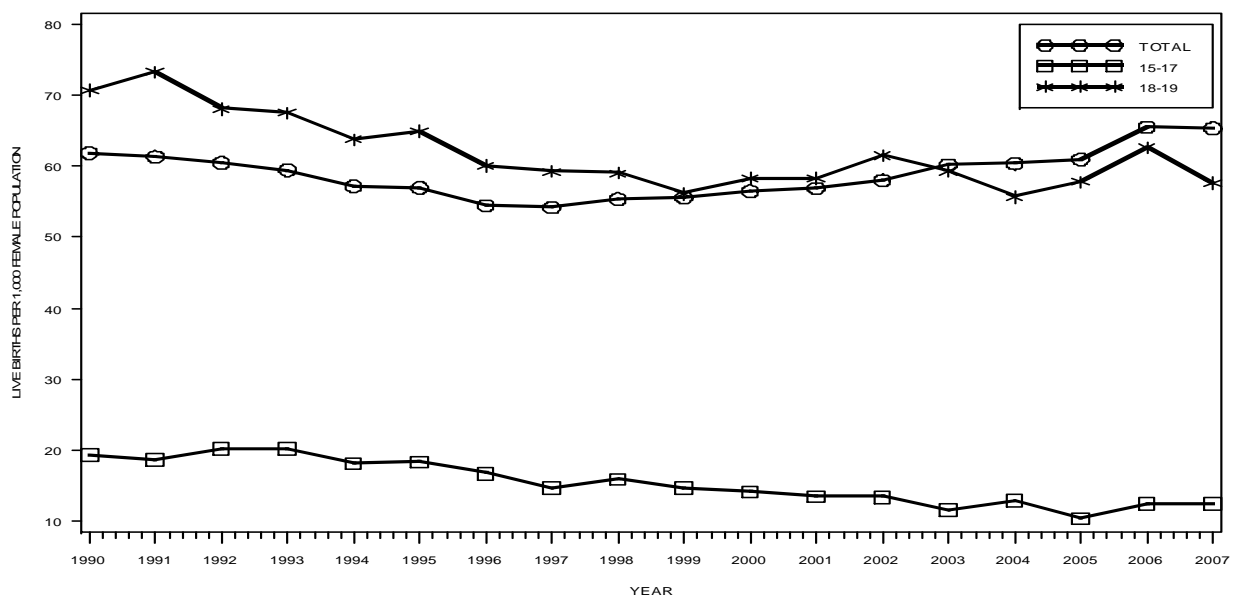


MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2007

The rate of fertility among various racial groups can be quite different from those of the population as a whole, as is illustrated by **Figure 2** above, **Figure 3** below, and **Figure 4** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

Figure 3

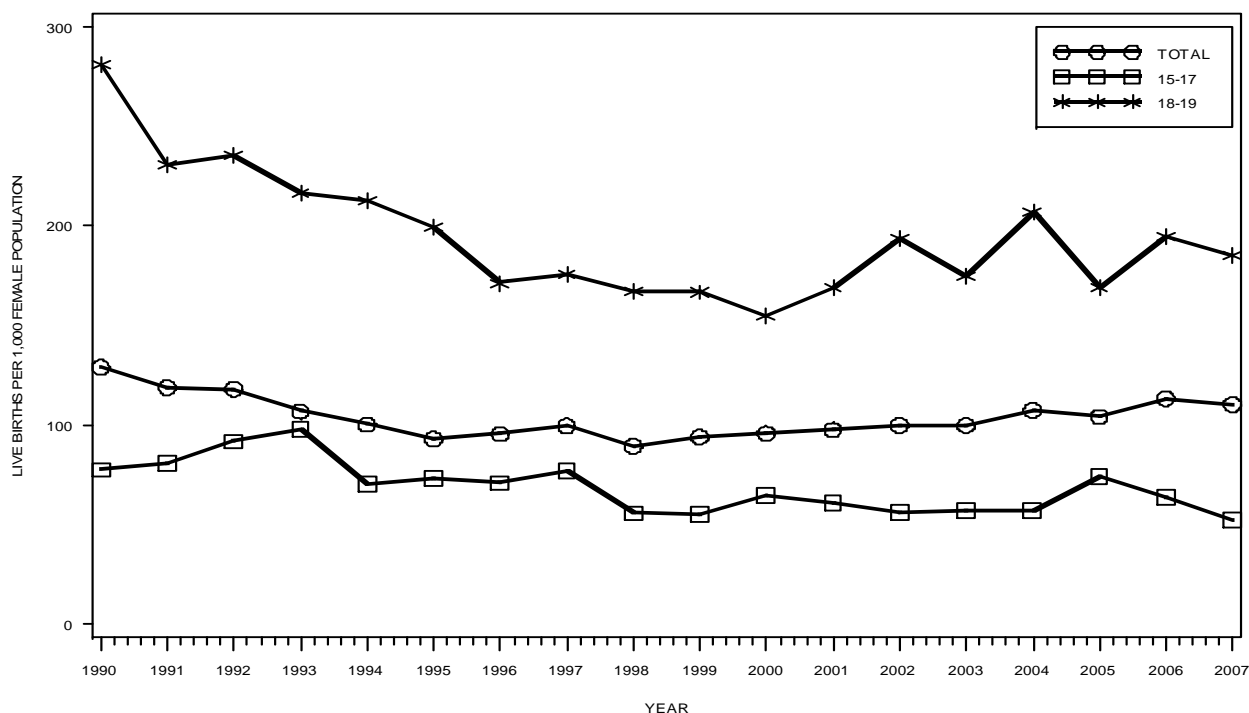
FERTILITY RATES FOR WHITE MOTHERS MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2007



In 2007, the fertility rate for Montana's white mothers of any age was 64.5. The rate for white mothers between 15 and 17 was 12.7, and the rate for white mothers between the ages of 18 and 19 was 57.0. Fertility rates for Native Americans were substantially higher in these age groups—109.8, 53.6, and 185.2, respectively.

Figure 4

**FERTILITY RATES FOR NATIVE AMERICAN MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2007**



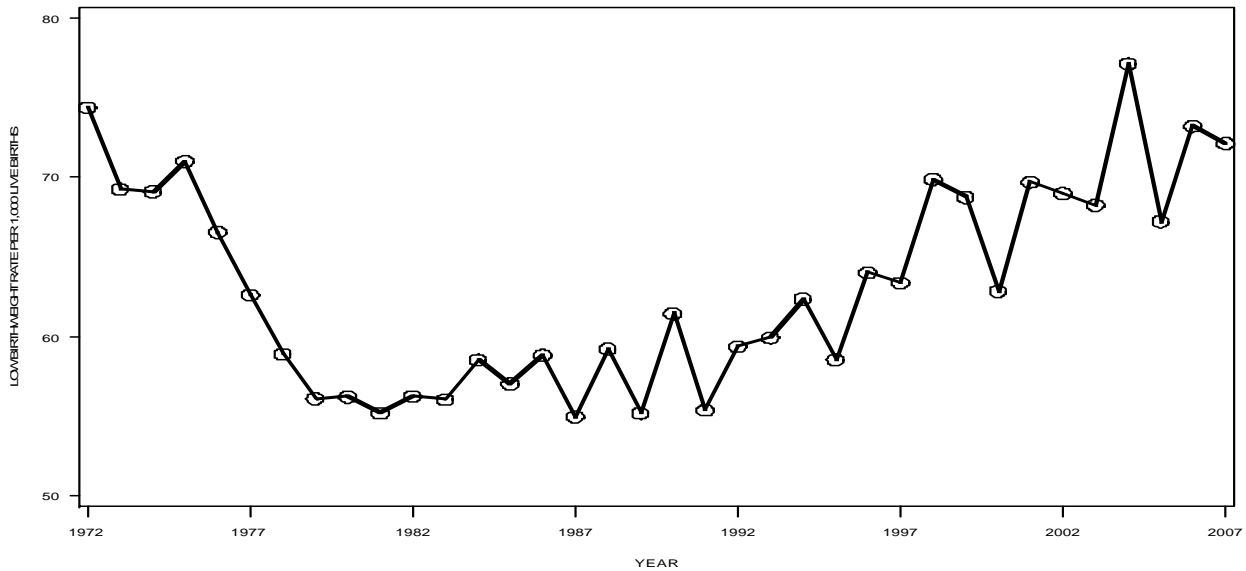
Rates of change for these fertility rates also varied among different groups during this period. While the Native American fertility rates for all of these age groups were higher than those for whites in 2007, the fertility rate for Native American teens aged 15 to 19 years fell farther in proportional terms in this period (35.0%) than that for whites (25.8%). The white fertility rate for the ages 15-17 fell by about a third (34.7%) while that for Native Americans fell by slightly more (36.0%). The Native American fertility rate for teens aged 18 to 19 years fell by almost a third (32.4%) while that for whites grew by 5.2%

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 5**, on the following page, shows an increasing rate of low birthweight babies born to Montanans since the early 1980s. The rate was 55.2 in 1981 and in 2007. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this relationship does not seem to be the case—or at least, is much more complex than a simple correlation—for the Montana infant population as a whole, as the trend of infant mortality among Montanans in **Figure 11** shows. While the low birthweight rate trends upward, rates of infant and perinatal death are falling for Montana residents.

Figure 5

RATE OF LOW BIRTHWEIGHT BIRTHS



MONTANA RESIDENTS, 1972-2007

MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2007 were mostly married white women between the ages of 20 and 35 years. **Table S-6** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 6

**PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1972-2007**

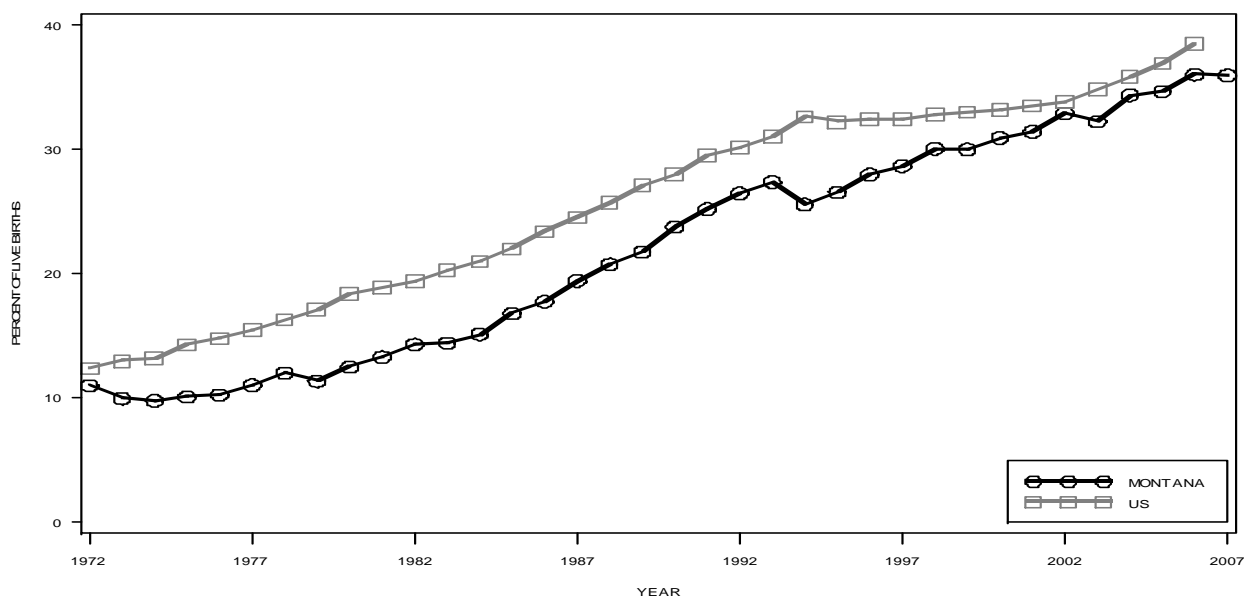


Table B-1 shows the frequency and percent of resident births to unmarried mothers for the years 2000 through 2007. **Table S-5** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2007. **Figure 6**, on the previous page, shows the trend in those births to unmarried women for residents of Montana and the United States since 1972. Births to unmarried women represented 13.3% of Montana's resident births in 1981, 23.7% in 1990, 30.8% in 2000, and 35.8% in 2007.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 36.9% in 2005 (the latest year for which a national statistic is available). The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. However, the long-term trend for Montana is increasing and appears to be converging with the national trend over this period.

METHOD OF DELIVERY

About three quarters of the infants delivered in Montana in the years 1998 through 2007 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 7** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 7

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1998-2007

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS	Number	113,762	95	3,694	8,732	32,014	32,191	23,464	10,959	2,444	164	5
	Percent	100	100	100	100	100	100	100	100	100	100	100

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
VAGINAL	Number	84,260	82	3,068	7,097	24,894	23,998	16,435	7,146	1,455	80	5
	Percent	74.1	86.3	83.1	81.3	77.8	74.5	70.0	65.2	59.5	48.8	100
VAGINAL AFTER C-SECTION	Number	2,265	-	5	43	356	695	684	391	86	5	-
	Percent	2.0	-	0.1	0.5	1.1	2.2	2.9	3.6	3.5	3.0	-
PRIMARY C-SECTION	Number	16,362	12	601	1,347	4,509	4,319	3,291	1,746	482	55	-
	Percent	14.4	12.6	16.3	15.4	14.1	13.4	14.0	15.9	19.7	33.5	-
REPEAT C-SECTION	Number	10,868	1	19	244	2,252	3,178	3,054	1,676	420	24	-
	Percent	9.6	1.1	0.5	2.8	7.0	9.9	13.0	15.3	17.2	14.6	-
NOT STATED	Number	7	-	1	1	3	1	-	-	1	-	-
	Percent	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-